

GSEB

Class 12

Computer Paper – March(2023)

331(E)

1) Which open source WYSIWYG web editor, was initially started as an HTML/CSS editor and has now grown into an editor for many XML based systems?

- (A) BlueGriffon
- (B) Amaya
- (C) KompoZer
- (D) Aptana Studio

2) Which of the following is a good example of C2C model?

- (A) E-newspaper
- (B) Online purchasing
- (C) Auction sites
- (D) Information services

3) Which of the following is a proper example of Consumer to Business (C2B) business model?

- (A) bidstall.com
- (B) quikr.com
- (C) commodity.com
- (D) job.in

4) Which of the following is a limitation of E-Commerce ?

- (A) Lower cost
- (B) Teamwork
- (C) No boundaries or geographical limitations
- (D) Security

5) “No sharing of information with competitors”, is a feature of which kind of commerce?

- (A) E-Commerce
- (B) M-Commerce
- (C) L-Commerce
- (D) Traditional Commerce

6) Identify : “The process of buying and selling products or services by offering the customers to bid the price and selling the product to the highest bidder. ”

- (A) Marketing
- (B) Auction
- (C) Online billing
- (D) NetBanking

7) Which of the following was one of the first applications of E-Commerce on Internet?

- (A) Internet bookshops
- (B) Electronic newspaper
- (C) NetBanking
- (D) Marketing and Selling

8) Which of the following can be used to search any book from online book store ?

- (A) Title of the book
- (B) Author's name
- (C) Publication name
- (D) All (A),(B) & (C)

9) Which are data centers, which perform the credit card transactions and settle funds to the merchant?

- (A) Issuing Bank
- (B) Acquiring Bank
- (C) Processors
- (D) Payment gateways

10) Which of the following is a kind of payment card that transfers fund directly from the consumer's bank account to the merchant ?

- (A) Credit card
- (B) Debit card
- (C) E-Wallet
- (D) Net Banking

11) Which of the following security aspect ensures that the information must not be accidentally or maliciously altered or tampered in transit ?

- (A) Integrity
- (B) Authorization
- (C) Confidentiality
- (D) Non-repudiation

12) Which of the following is a device placed between the network and the Internet to monitor and control the traffic between the company's local network and the outside world ?

- (A) Antivirus
- (B) Digital certificate
- (C) Firewall
- (D) Cryptography

13) Which is an attack used to shutdown a machine or network, making it inaccessible to its intended users ?

- (A) Spoofing
- (B) Denial of service attack
- (C) Cyber Vandalism
- (D) Sniffing

14) Which of the following location based services can be used for tracking of assets, locating friends in a geographic location, tracking stolen cars etc?

- (A) Tracking services
- (B) Mapping
- (C) Emergency services
- (D) Navigation

15) Which of the following keeps the data safe from unintended actions and inadvertent access by outside objects?

- (A) Data Abstraction
- (B) Polymorphism
- (C) Aggregation
- (D) Encapsulation

16) Which is a general concept used to embody all the common features of a particular set of objects?

- (A) Class
- (B) Behavior
- (C) Attributes
- (D) Method

17) Which of the following statement/s is/are true for object oriented programming language?

- (i) In it, focus is on writing functions or procedures.
- (ii) It enables the programmer to create modular, reusable and extendable code.
- (iii) It uses object as its fundamental building block.

- (A) Only (i) and (ii)
- (B) Only (ii) and (iii)
- (C) Only (i) and (iii)
- (D) (i), (ii) and (iii)

18) Which symbol represent package visibility in class diagram?

- (A) -(hyphen)
- (B) #(hash)
- (C) +(plus)
- (D) ~(tiel)

19) What is the full form of UML?

- (A) Universal Modified Language
- (B) Unified Modified Language
- (C) Unified Modelling Language
- (D) Universal Modelling Language

20) In Aggregation , which kind of relationship is shared between two classes ?

- (A) non-exclusive
- (B) is-a-kind-of
- (C) exclusive
- (D) is-a

21) In object-oriented programming, which of the following allows defining more than one method having same name but different signatures ?

- (A) Messaging
- (B) Method overloading
- (C) Function overloading
- (D) Both (B) & (C)

22) In class diagram, which symbol represent inheritance ?

- (A) Empty diamond
- (B) An arrow pointing to superclass
- (C) Filled diamond
- (D) An arrow pointing to subclass

23) Which of the following is not a valid variable in Java?

- (A) birth_date
- (B) \$price
- (C) 4me
- (D) callcost

24) Match the following for proper examples of integer literals.

<u>Type of number</u>	<u>Example</u>
(i) Hexadecimal	(p) 0b10110
(ii) Octal	(q) -17777
(iii) Binary	(r) 0XFF7A
(iv) Decimal	(s) 045

- (A) (i) → (r), (ii) → (s), (iii) → (p), (iv) → (q)

- (B) $(i) \rightarrow (p), (ii) \rightarrow (q), (iii) \rightarrow (r), (iv) \rightarrow (s)$
- (C) $(i) \rightarrow (s), (ii) \rightarrow (r), (iii) \rightarrow (q), (iv) \rightarrow (p)$
- (D) $(i) \rightarrow (q), (ii) \rightarrow (p), (iii) \rightarrow (s), (iv) \rightarrow (r)$

25) What will be the value of y, where $x=5$ and $y=4 +x++$?

- (A) 4
- (B) 9
- (C) 10
- (D) 6

26) Which of the following expression is same as $q \&\& =p$?

- (A) $q\&p$
- (B) $p\&\&q$
- (C) $q==p$
- (D) $q=q\&\&p$

27) What will be the result of arithmetic expression $-25.8\%7$?

- (A) 4.8
- (B) -4.8
- (C) 4
- (D) -4

28) Which kind of comments are used for creating API documentation from the code ?

- (A) Multi-line comments
- (B) Documentation comments
- (C) Single-line comments
- (D) Classic comments

29) In Java, what is the range of values for 'short' data type?

- (A) -32768 to 32767
- (B) -128 to 127
- (C) 16-bit unicode character
- (D) true, false

30) What will be the extension of file, when the program gets compiled without errors ?

- (A) .java
- (B) .javac
- (C) .class
- (D) .tex

31) Which loop will evaluate the test expression after executing the statements in a loop?

- (A) while
- (B) for
- (C) do...while
- (D) switch

32) What is used when there are many alternative actions to be taken depending upon the value of a variable or expression?

- (A) for loop
- (B) while loop
- (C) do...while loop
- (D) switch statement

33) Which methods are used to define behavior of an object ?

- (A) Class methods
- (B) Instance methods
- (C) Object methods
- (D) File methods

34) Which part of Java looks for unused objects and reclaims the memory that those objects are using ?

- (A) garbage collector
- (B) heap
- (C) block
- (D) object

35) Which methods are global to the class itself and available to any other classes or objects?

- (A) Class methods

- (B) Instance methods
- (C) Object methods
- (D) Variable methods

36) Which of the following variables are created when the method or block is started and destroyed when the method or block has completed ?

- (A) Instance variables
- (B) Class variables
- (C) Local variables
- (D) Global variables

37) Which of the following is a proper way to provide a user-defined no-argument constructor?

- (A) (class name){}();
- (B) <class name>{}();
- (C) {class name}();
- (D) <class name>() {};

38) Which visibility modifier seems extremely restrictive and provides data encapsulation?

- (A) Protected
- (B) Private
- (C) Public
- (D) Package

39) In Java, in class definition what is used to create a subclass?

- (A) extends
- (B) super
- (C) new
- (D) Dot operator

40) Which keyword returns a reference to an object that represents an instance of the class?

- (A) super
- (B) static
- (C) new
- (D) extends

41) Which of the following can not be invoked explicitly elsewhere in the program?

- (A) instance methods
- (B) new operator
- (C) variables
- (D) constructors

42) Which of the following are used to access or modify attributes?

- (A) class
- (B) methods
- (C) objects
- (D) variables

43) Which of the following is the correct syntax to declare a 1-D array?

- (A) {data type}[] {array name}[]
- (B) <data type>{}<array name>{}
- (C) <data type><array name>[]
- (D) [data type]<>[array name]

44) Which method of Arrays class is used to search an element in an array?

- (A) LinearSearch()
- (B) Search()
- (C) ArraySearch()
- (D) BinarySearch()

45) Which property of 1-D array is used to know size of each row?

- (A) length
- (B) sort
- (C) fill
- (D) search

46) Which of the following constructor can be used to create a string object with its initial value using any argument?

- (A) String(char ary[])
- (B) String(String literal)

- (C) String()
- (D) String(String strObj)

47) Which of the following method returns character at index position from the invoking string ?

- (A) byte Atindex()
- (B) int indexAt()
- (C) char indexAt(int index)
- (D) boolean indexAt()

48) Which methods of Date class returns number of milliseconds since January 1, 1970 GMT?

- (A) Date()
- (B) Date(long Time)
- (C) long getTime()
- (D) void setTime()

49) Which constant of calender class display Hour in 24-hour notation?

- (A) HOUR
- (B) HOUR_IN_24
- (C) HOUR_AM_PM
- (D) HOUR_OF_DAY

50) How many integer values will be stored in contiguous memory locations, when array is created using

```
int marks[][] = new int[6][2];
```

- (A) 24
- (B) 12
- (C) 8
- (D) 15

51) Which methods are declared as static and can be referred without any object in the class ?

- (A) Class methods
- (B) Variable methods
- (C) Instance methods

(D) Array methods

52) Which of the following method will fill all elements of list array with value '7'?

- (A) fill(list, 2, 7, 7)
- (B) fill(list, 7, [6-1])
- (C) fill(list, 7)
- (D) fill(list, [6+1], 7)

53) Which of the following is an indication of a problem that occurs during program's execution and usually signals an error?

- (A) Behavior
- (B) Exception
- (C) Method
- (D) Object

54) Which kind of exception will occur when user type following statements in Java?

```
int a[] = new int[4];
```

```
a[13] = 99;
```

- (A) ArrayIndexOutOfBoundsException
- (B) ArithmeticException
- (C) NullPointerException
- (D) NumberFormatException

55) Which kind of catch block has to be placed at the end of all catch blocks?

- (A) finally
- (B) default
- (C) null
- (D) empty

56) Which of the following will be used when we want to be sure that some particular code is to be run, no matter what exceptions are thrown within the associated try block?

- (A) First catch block
- (B) Null catch block
- (C) Finally block

(D) Multiple catch blocks

57) Which of the following can be used in a method declaration or constructor declaration to inform that the code within the constructor or method may throw an Exception?

- (A) throw clause
- (B) finally block
- (C) multiple try blocks
- (D) throws clause

58) Which of the following is a correct syntax of try block ?

- (A)

```
try
{
    // code to handle the exception
}
```
- (B)

```
try(Exception_Type)
{
    //clean-up code to be executed last
}
```
- (C)

```
try(Exception_TypeException_Object)
{
    // code to handle compile time error
}
```
- (D)

```
try{
    //set of statements that may generate one or more exceptions
}
```

59) Which of the following class encapsulates information about the properties of a file or a directory?

- (A) java.io.package
- (B) java.io.File
- (C) java.io.util

(D) java.util

60) Which of the following method returns an array of abstract pathnames denoting the files in the directory ?

- (A) String[]list()
- (B) boolean list()
- (C) File[] listFiles()
- (D) String getPath()

61) Which of the following is an abstract representation of an input or output device that is used as a source or destination for data?

- (A) stream
- (B) class
- (C) file
- (D) directory

62) Which class can be used especially when the input is to be typed in hidden form?

- (A) java.util
- (B) java.scanner
- (C) java.io.Console
- (D) java.io.File

63) Which of the following statement is true?

- (A) Volatile storage lasts only a few seconds
- (B) Volatile storage is lost when a computer is shutdown
- (C) Computer disks are volatile storage devices
- (D) All of the above are true

64) Which of the following is a valid extension of Text file?

- (A) .java
- (B) .jpeg
- (C) .mp3
- (D) .class

65) Which of the following are useful for applying few commands to a small amount of text such as a part of a line, few lines or a paragraph in LaTeX?

- (A) Environments
- (B) Packages
- (C) Documents
- (D) Groups

66) Which package is used for page layout tasks like setting paper size, orientation, margins, etc?

- (A) setspace
- (B) geometry
- (C) amsmath
- (D) easylist

67) Which option of document class is used to display formulas and equations flushed left(left-aligned) rather than centered in LaTeX?

- (A) landscape
- (B) amsmath
- (C) fleqn
- (D) listings

68) Which fonts are typically used for computer code listings?

- (A) Roman
- (B) Sans serif
- (C) Large
- (D) Monospace

69) Which command is used to create fractions in LaTeX?

- (A) `\frac{numerator}{denominator}`
- (B) `\fraction{numerator}{denominator}`
- (C) `\fraction{begin}{end}`
- (D) `\frac{denominator}{numerator}`

70) In LaTeX, which of the following are numbered in Roman numerals (I, II, III and so on)?

- (A) Chapters
- (B) Parts
- (C) Sections
- (D) Subsections

71) In Skype, which button should be clicked if you have a Skype name and password?

- (A) Login
- (B) I Agree
- (C) Sign in
- (D) Confirm password

72) Which of the following allows to manage independent projects that do not have common resources and has no interrelations between different projects?

- (A) R Software
- (B) RationalPlan Viewer
- (C) RationalPlan Multi
- (D) RationalPlan Single

73) Which is the default view of Google maps?

- (A) map view
- (B) satellite image view
- (C) 3-D view
- (D) motion clip view

74) In VLC media player which Menu option is used to save playlist?

- (A) Tools → Save Playlist
- (B) Media → Save Playlist to File
- (C) File → Save Playlist
- (D) Media → Convert/Save

75) Which is a very common format for distributing software or bundles of files on the Linux platform?

- (A) JAR
- (B) Zip

- (C) Tarball
- (D) XRP

76) Which of the following give rapid access to the files on both local machines and remote servers?

- (A) Status bar
- (B) PageArea
- (C) Site Manager
- (D) Composition Toolbar

77) Which method does not have any restrictions on data length ?

- (A) POST
- (B) GET
- (C) SET
- (D) INPUT

78) In Page colors and Background dialog box, which option should be selected to give background color of your choice?

- (A) Reader's default colors
- (B) Advanced Edit
- (C) Background Image
- (D) Use custom colors

79) Which Menu option is used to open the file which has been opened recently?

- (A) File → Open
- (B) File → Recent Pages
- (C) File → Open Recent Pages
- (D) Form → Open File

80) Which of the following tab shows all details of the HTML code and helps in editing the source code?

- (A) Design
- (B) Source
- (C) Split

(D) HTML Tags view

81) Which element is used to specify the values that are to be displayed in the menu?

- (A) Option
- (B) Select
- (C) Textarea
- (D) Input

82) Which of the following is a software application, which provide complete facilities to programmer to develop software?

- (A) HTML Form
- (B) Compiler
- (C) IDE
- (D) Textarea

83) Which of the following element allows multi-line text input?

- (A) Form
- (B) Input
- (C) Select
- (D) Textarea

84) Which of the following is a simple, light weight programming language, which does not contain the advanced programming functionalities of languages like C and Java?

- (A) CSS
- (B) Script language
- (C) HTML
- (D) Both (A) & (C)

85) Identify: “A specific JavaScript code, which will be executed in response to any event.”

- (A) Event handler
- (B) CSS
- (C) Focus method
- (D) Document Object Model

86) Which event would occur when loading of image is canceled?

- (A) blur
- (B) unload
- (C) abort
- (D) error

87) Which Menu option is used to make sure that KompoZer uses CSS by default ?

- (A) Tools → CSS
- (B) Tools → CSS stylesheet
- (C) Tools → Preferences
- (D) Tools → Default CSS

88) In CSS stylesheets dialog box, which button should be clicked to create a style for a particular selector?

- (A) Sheets and rules
- (B) Internal stylesheet
- (C) New style rule
- (D) Create style rule

89) In CSS stylesheets dialog box, under which tab Text decoration, Font family etc. options are available?

- (A) Text
- (B) General
- (C) Borders
- (D) Background

90) Which of the following tab is not available in Advanced Property Editor dialog box?

- (A) HTML Attributes
- (B) Onsubmit
- (C) Inline style
- (D) JavaScript Events

91) What can be called anywhere from within the source code in JavaScript?

- (A) Event

- (B) Function
- (C) CSS stylesheet
- (D) HTML Form

92) What is used to control the web browsers window or the web page we use?

- (A) Function
- (B) Focus method
- (C) Browser Object Model
- (D) CSS

93) Which object represents the browser window or individual frame within the window ?

- (A) History
- (B) Location
- (C) Form
- (D) Window

94) What should be clearly identified before creating a website ?

- (A) Purpose of the website
- (B) Speed of connection
- (C) Content
- (D) Medium

95) Which kind of content provides an overview of the site, organization, products and services and other items?

- (A) General
- (B) Detailed
- (C) Long
- (D) Short

96) Identify: “A gap between the edge of the cell and text within it.”

- (A) Spacing
- (B) Alignment
- (C) Padding
- (D) Size

97) Which option of Image Properties dialog box is used to specify height and width of the image?

- (A) Location
- (B) Link
- (C) Custom size option of Dimensions tab
- (D) Appearance

98) Which Menu option is used to change the page title of web page?

- (A) Format → PageTitle
- (B) Format → PageTitle and Properties
- (C) Edit → PageTitle
- (D) File → ChangePage Title

99) Which of the following can manipulate cookies using the cookie property of the document object ?

- (A) HTTP
- (B) CSS
- (C) FTP
- (D) JavaScript

100) Which of the following open source IDE, comes along with a large number of additional plugins?

- (A) Aptana Studio
- (B) Amaya
- (C) BlueGriffon
- (D) W3C

Answers:

(1-B)	(2-C)	(3-A)	(4-D)	(5-D)	(6-B)	(7-A)	(8-D)	(9-C)	(10-B)
(11-A)	(12-C)	(13-B)	(14-A)	(15-D)	(16-A)	(17-B)	(18-D)	(19-C)	(20-A)
(21-D)	(22-B)	(23-C)	(24-A)	(25-B)	(26-D)	(27-B)	(28-B)	(29-A)	(30-C)
(31-C)	(32-D)	(33-B)	(34-A)	(35-A)	(36-C)	(37-D)	(38-B)	(39-A)	(40-C)
(41-D)	(42-B)	(43-C)	(44-D)	(45-A)	(46-A)	(47-C)	(48-C)	(49-D)	(50-B)
(51-A)	(52-C)	(53-B)	(54-A)	(55-B)	(56-C)	(57-D)	(58-D)	(59-B)	(60-C)
(61-A)	(62-C)	(63-B)	(64-A)	(65-D)	(66-B)	(67-C)	(68-D)	(69-A)	(70-B)
(71-C)	(72-D)	(73-A)	(74-B)	(75-C)	(76-C)	(77-A)	(78-D)	(79-B)	(80-B)
(81-A)	(82-C)	(83-D)	(84-B)	(85-A)	(86-C)	(87-C)	(88-D)	(89-A)	(90-B)
(91-B)	(92-C)	(93-D)	(94-A)	(95-A)	(96-C)	(97-C)	(98-B)	(99-D)	(100-A)